

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/50653

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/26 H04L12/44

21 MAR 2005

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 181 681 B1 (CASWELL DOUGLAS C ET AL) 30 January 2001 (2001-01-30)	1-5
Y	column 2, line 55 -column 2, line 59 column 7, line 8 -column 7, line 13 column 7, line 15 -column 7, line 17 column 8, line 18 -column 8, line 20	6-10
Y	US 2001/055274 A1 (LINDSAY CHARLES C ET AL) 27 December 2001 (2001-12-27) claim 22	6-10

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

29 January 2004

Date of mailing of the international search report

05/02/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

POPPE, F

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/50653

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6181681	B1	30-01-2001	CA 2255416 A1 GB 2334863 A , B	29-06-1999 01-09-1999
US 2001055274	A1	27-12-2001	AU 4533501 A EP 1260061 A2 JP 2003525000 T WO 0163838 A2	03-09-2001 27-11-2002 19-08-2003 30-08-2001